

Company Description

BC3 is a Research Centre on the causes and consequences of climate change. Led by one of the most recognized scientists in the Climate Change field -Prof. Maria José Sanz, we produce multidisciplinary knowledge to support decision making towards sustainable development at the international level. With a multidisciplinary team, connected to the main scientific institutions, networks and socio-economic agents, for a decade, our contribution to research of climate change and to the science-policy interface puts us in a unique position to offer knowledge, tools, new methodologies and cross-cutting proposals, that we lead towards action in a collaborative framework with stakeholders, to design and help implement policies aimed at sustainable development.

Information

 **Deadline:** 2021-09-06
 **Category:** Academia
 **Province:** Bizkaia

 **Country:** Basque Country
 **City:** Leioa

Company

BC3 Basque Centre for Climate Change



Main functions, requisites & benefits

Main functions

The Basque Centre for Climate Change (BC3), is looking for a Post-Doctoral Researcher interested in (1) understanding how current forestry practices may affect long-term soil conservation and future forest stability and productivity, and (2) to help developing smart, ecologically friendly forest management practices, which could improve soil conservation and hence the long-term sustainability of forests. The position will be based at the Department of Terrestrial Ecology and is available for 24 months starting sometime during the fall 2021. The candidate will develop her/his work within the framework of the ATLANTIS (Development of soil-smart forestry practices and of early vulnerability diagnosis tools to improve soil conservation and long-term stability of Iberian Atlantic Forests) project funded by the Ministry of Science and Innovation and the call 2020 for R&D&I research projects oriented to the challenges of the society (ref. num: PID2020-113244GB-C21). The Researcher will be in charge of the coordination of different tasks: 1. To consolidate a dataset based on a semi-systematic review of the literature on exotic tree species plantation and analyses applying meta-analytical methods (WP1). 2. To lead the acquisition and organization of historical tree growth data from Spain and Romania and data from satellite images, topography and climate from those regions, and their analyses (WP2). 3. To support occasionally a PhD student in field activities associated with soil in WP3 and WP5 (field climatic manipulation). The position will be supervised by Jorge Curiel Yuste and Maria José Sanz. The successful candidate will be based at BC3 but will be working in a highly multidisciplinary research environment in close collaboration with other institutions from the ATLANTIS coordinated project: University of the Basque Country (Spain), NEIKER (Spain), University of Transilvania (Romania) or Technical University of Munich (Germany), among others.

Requisites

A Researcher with an expertise in forest ecology, forest vulnerability and resilience, tree growth, satellite greenness index and soil ecology. Hence, the candidate will have to demonstrate excellent skills in analyzing satellite images, building and analyzing a database based on tree ring growth and national forest inventories, and conducting a quantitative literature review and apply meta-analytical methods. The candidate will also have to demonstrate ability for independent scientific work proven by a good publication record. A demonstrated ability to communicate in English is also required. Success in the position also requires good communication skills, as well as ability to work as a part of multidisciplinary and transnational research group.

Benefits

As a HR Excellence awarded institution, BC3 is committed to conciliate research-academic requirements and family duties. BC3 is particularly concerned with creating equality opportunities for people. Women with relevant qualifications are therefore strongly encouraged to apply for the position.